

CLAIMS

I claim:

1. A single wheel radial flow gas turbine comprising:
 - a rotatable wheel having an interior side;
 - a radial flow centrifugal compressor section disposed on said interior side of said wheel;
 - a radial outward flow turbine section disposed on said interior side of said wheel, said turbine section being located radially outward from said compressor section; and
 - a stationary shroud having a combustor section and a nozzle section disposed radially between said compressor section and said turbine section;
 - said combustor section having at least one fuel injector;
 - wherein air flows generally radially through said compressor section, said combustor section, said nozzle section, and said turbine section.
2. The gas turbine of claim 1 further comprising a generator/starter coupled to said wheel for starting said gas turbine and absorbing energy from said wheel.
3. The gas turbine of claim 1 wherein said combustor section comprises at least one water injector radially downstream from said at least one fuel injector.

1 4. A single wheel radial flow gas turbine consisting essentially of:
2 a single, rotatable wheel having an interior side;
3 a radial flow centrifugal compressor section disposed on said interior side of said
4 wheel;
5 a radial outward flow turbine section disposed on said interior side of said wheel, said
6 turbine section being located radially outward from said compressor section; and
7 a stationary shroud having a radial flow combustor section and a nozzle section
8 disposed radially between said compressor section and said turbine section;
9 wherein air flows generally radially through said compressor section, said combustor
10 section, said nozzle section, and said turbine section.